

### **DETAILED ACTION**

The following is a response to the amendment received on December 11, 2007 which has been entered.

#### ***Response to Amendment***

Claims 1-22, 24-26 and 28 are pending in the application. Claims 23, 27, 29 and 30 are cancelled.

-The drawings were received on November 21, 2007. These drawings are approved.

-The 112 2<sup>nd</sup> rejection of claims 1-30 has been withdrawn due to applicant amending claims 1, 10, 12-15, 19, 24 and 26 according to the rejection requirement and cancelling claims 23, 27, 29 and 30.

#### ***Allowable Subject Matter***

Claims 1-22, 24-26 and 28 are allowed. The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose or render obvious a motivation to provide for:

-(as to claim 1) an epicyclic transmission having a first assembly and a second assembly which have unequal fixed gear ratios wherein the first element of the second assembly is within the first element of the first assembly, the second elements of the first and second assemblies are constrained to rotate at a common angular velocity, a third element of the first assembly is connected to a motive source in which when the first elements of both assemblies are constrained with the third element rotating in a certain direction, the second element will rotate in an opposite direction relative to the

tendency of the other assembly and in combination with each and every remaining limitation of claim 1.

-(as to claim 19) an epicyclic transmission having a first assembly, second assembly and a third assembly wherein a second element of the first assembly and a second element of the second assembly are constrained to rotate at a common angular velocity, a first element of the first assembly and a first element of the third assembly are constrained to rotate at a common angular velocity, the first and second assemblies are of an unequal fixed gear ratios, the first elements of the first and second assemblies are constrained with the third element rotating in a certain direction, the second element with rotate in an opposite direction relative to the tendency of the other assembly and the first element of the third assembly is constrained and the third element is rotated in a same certain direction of the first and second assemblies the second element of the third assembly with tend to rotate in the same direction as the second assembly and in combination with each and every remaining limitation of claim 19.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TISHA D. LEWIS whose telephone number is 571-272-7093. The examiner can normally be reached on M-F 9AM TO 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CHARLES A. MARMOR can be reached on 571-272-7095. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

January 22, 2008  
/TISHA D. LEWIS/  
Primary Examiner, Art Unit 3681